

11/11/11
03:08 PM EST

STELfax

From: THYSSENKRUPP MATERIALS NA
STAN IVERS
Tel: 905 669 9444
Fax: 9057389033

To: DART AEROSPACE
Attn: 96294
Tel: 613-632-9577
Fax: 613-632-1053
Number of Pages: 3

Subject: Sales Acknowledgement

11Nov11 15:07

S A L E S A C K N O W L E D G M E N T

No: PEC ST-388975

Sold By:

THYSSENKRUPP MATERIALS NA

2821 LANGSTAFF ROAD

CONCORD, ONTARIO L4K 5C6

Tel: 905 669 9444 Fax: 905/389033

Sold To: (20115)

DART AEROSPACE

1270 ABERDEEN ST

HAWKESBURY, ON K6A 1K7

Ship To: (1)

DART AEROSPACE

1270 ABERDEEN ST

HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS

Frt PREPAID

Con 96294

Slp STAN IVERS (905-532-1350)

Ord 11Nov11 Due17Nov11

Via VIM TRANSFER

FOB CONCORD

PO/Rel 15445

Tel 613-632-9577 Fax 613-632-1053

S A L E S A C K N O W L E D G M E N T

Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice

1 STAINLESS STEEL SHEET 304-2B .0600 Nom X 48.0000" X 96.0000" MATERIAL	10 PCS	802 LBS
802 LBS @	1.8300 LBS	1,467.66
2 ALUMINUM SQUARE BAR 6061-T6511 .750" X 144.0000" MATERIAL	1 PCS	8 LBS
1 PCS @	25.0000 EA	25.00
3 ALUMINUM FLAT BAR 6061-T6511 .750" x 2.00" X 144.0000" MATERIAL	1 PCS	22 LBS
12 FT @	3.8500 FT	40.20
4 ALUMINUM FLAT BAR 6061-T6511 .125" x .750" X 240.0000" MATERIAL	4 PCS	9 LBS
	25.0000 LOT	25.00
5 ALUMINUM ROUND BAR 6061-T6511 .625" DIA X 144.0000" MATERIAL	3 PCS	14 LBS
36 FT @	.9200 FT	33.12
6 ALUMINUM ROUND BAR 6061-T6511 .750" DIA X 144.0000" MATERIAL	2 PCS	13 LBS
24 FT @	1.1900 FT	28.56

SHIP WITH 388968/388969 SUR-CHARGE PAID

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **

** CUSTOMER PICK-UP HRS / 9:00 AM TO 4:00 PM **

*** TEL. 800-926-2600 ***

* WE STOCK STAINLESS STEEL!!!! *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

11Nov11 15:07

S A L E S A C K N O W L E D G M E N T

No: PEC ST-388975

Sold By:

THYSSENKRUPP MATERIALS NA

2821 LANGSTAFF ROAD

CONCORD, ONTARIO L4K 5C6

Tel: 905 669 9444 Fax: 9057389033

Sold To: (20115)

DART AEROSPACE

Ship To: (1)

DART AEROSPACE

S A L E S A C K N O W L E D G M E N T

SO No PEC ST-388975

Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Order Totals:

6 Items

868 LBS

Material

Processing

Freight

Other

Taxes

ORDER AMT

1,625.54

211.33

1,836.87

Taxes: ONHSTS

211.33

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM PLAT BAR 6061-T6511
750" X 2.00" X 144.0000"
PART NO.

PO/Ref 15445

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BI PEC-730334-003

17Nov11

Pg 1/1

Signed by: *[Signature]*



SERVICE CENTER METALS
5850 Quality Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

BILL TO ThyssenKrupp Materials NA		MANIFEST NUMBER 141340		DIE NUMBER RB0115		DATE OF SHIPMENT 9/30/2011		OUR ORDER NUMBER 135938		ITEM 2	
SHIP TO ThyssenKrupp Materials NA PEC		CUSTOMER PO PEC-233244		ALLOY/TEMPER 6061-T6511		SALES PERSON David Schroeder		CERTIFICATION ASTM-B221-08 Stencil Continuous			
Quantity Certified 1,058 lbs 50 pcs		CUSTOMER PART NUMBER RB0115		DESCRIPTION SCRB .750x2.000				SPECIFICATION AMS-QQA-200/8			

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

SCM extrusions are manufactured in the USA from ingot melted and cast in the United States or Canada.

Mechanical Properties

Test No. Lot No.

Test No.	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
1	201114759	09/24/11	52.3	48.9	12.7

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others	Total	Melted In
091115	6061	0.76	0.35	0.34	0.10	0.91	0.08	0.06	0.01	0.05 max	0.15 max	United States of America

[Signature]

Print Date: 9/30/2011



SERVICE CENTER METALS
 5850 Quality Way
 Prince George, VA 23875

**CERTIFIED INSPECTION REPORT AND TEST RESULTS
 FOR EXTRUDED PRODUCTS**

OUR ORDER NUMBER 130370	ITEM 6
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BILL TO ThyssenKrupp Materials NA	SHIP TO ThyssenKrupp Materials NA VIM	Quantity Certified 1,712 lbs	395 pcs
MANIFEST NUMBER 134675	CUSTOMER PO VIM-610896	DIE NUMBER RD0002	DATE OF SHIPMENT 6/29/2011
CUSTOMER PART NUMBER RD0002	ALLOY/TEMPER 6061-T6511	SALSPERSON David Schroeder	CERTIFICATION ASTM-B221-08 No Stencil SPECIFICATION AMS-QQA-200/8

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. SCM extrusions are manufactured in the USA from ingot melted and cast in the United States or Canada.

Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

Mechanical Properties

Test No.	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
1	201110397	06/28/11	50.0	47.1	19.4
2	201110397	06/28/11	49.4	46.3	20.2
3	201110397	06/28/11	49.8	46.8	19.2
4	201110397	06/28/11	47.5	44.2	20.6
5	201110397	06/28/11	48.9	45.8	19.2
6	201110397	06/28/11	48.6	45.4	19.5
7	201110397	06/28/11	51.8	49.0	17.5
8	201110397	06/28/11	50.0	47.2	18.1
9	201110397	06/28/11	50.1	47.1	18.8
10	201110397	06/28/11	49.4	46.6	18.4



Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
061213	6061	0.71	0.39	0.31	0.10	0.87	0.08	0.04	0.02

Melted In
 United States of America

[Signature]

Print Date: 6/29/2011

Calvin J. Wiggins, Director of Quality & Technical Services



SERVICE CENTER METALS
5850 Quality Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS
FOR EXTRUDED PRODUCTS

BILL TO ThyssenKrupp Materials NA SHIP TO ThyssenKrupp Materials NA PEC Quantity Certified 1,269 lbs 160pcs	MANIFEST NUMBER 135602 CUSTOMER PO PEC-231378 CUSTOMER PART NUMBER SQ0039	DIE NUMBER SQ0039 ALLOY/TEMPER 6061-T6511 DESCRIPTION SCSB .750	DATE OF SHIPMENT 7/15/2011 SALESPERSON David Schroeder	OUR ORDER NUMBER 131567 ITEM 4
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CERTIFICATION
ASTM-B221-08 StencilContinuous
SPECIFICATION
AMS-QQA-200/8

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown.

Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

Mechanical Properties

Test No.	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
1	201110805	07/14/11	55.0	51.8	16.7
2	201110805	07/14/11	55.3	52.1	16.0
3	201110805	07/14/11	54.2	50.8	17.5
4	201110805	07/14/11	54.6	51.3	16.0
5	201110805	07/14/11	56.4	53.4	16.5
6	201110805	07/14/11	54.2	50.8	16.4
7	201110805	07/14/11	55.5	52.3	16.5
8	201110805	07/14/11	55.5	52.5	14.4
9	201110805	07/14/11	54.9	51.8	15.6
10	201110805	07/14/11	55.3	52.1	15.0
11	201110805	07/14/11	53.2	50.0	16.2



SERVICE CENTER METALS
 5850 Quality Way
 Prince George, VA 23875

**CERTIFIED INSPECTION REPORT AND TEST RESULTS
 FOR EXTRUDED PRODUCTS**

BILL TO ThyssenKrupp Materials NA		SHIP TO ThyssenKrupp Materials NA		MANIFEST NUMBER 135602		DIE NUMBER SQ0039		DATE OF SHIPMENT 7/15/2011		OUR ORDER NUMBER 131567		ITEM 4	
Quantity Certified		1,269 lbs		160 pcs		CUSTOMER PO PEC-231378		SALES PERSON David Schroeder		CERTIFICATION ASTM-B221-08 Stencil Continuous		SPECIFICATION AMS-QQA-200/8	

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown.

Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
20315	6061	0.76	0.39	0.34	0.10	0.86	0.09	0.04	0.02
152917	6061	0.73	0.39	0.31	0.12	0.87	0.08	0.06	0.02

Melted In
 United States of America

Calvin J. Winnings

CAN ART

ALUMINUM EXTRUSION INC.

Material Test Report

Ship To: ThyssenKrupp Materials NA
2821 Langstaff Road
Concord, ON L4K 5C6

Manifest: 233573

Ticket:
5206899

Our Order: 378915 - 3

Cust P.O.: 232133

Die: ES05485

Part: 05485-000-240

Alloy Temper: 6061 T6511

Description: .125 x .750

Print Date: 8/12/11

Chemical Composition Range

6061	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	OtherEach	OtherTotal
Min	0.40		0.15		0.8	0.04				
Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15

Mechanical Properties

Strength ksi

Sample ID	Cast #	Lot #	Test Date	Ultimate Tensile	Yield 2% offset	Elongation 2" gage length
126396	11050023A	A11	8/11/11	43.62	41.32	10.1

Applicable Specifications ASTMB221-08 QQA200/8

Country of Origin: 85 Parkshore Drive, Brampton, Ontario CANADA L6T 5M1

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Ray Hussain - Tensile Testing

Authorized:

Evan Eng, Quality Assurance Mgr.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511

750" DIA X 144.0000"

PART NO.

PO/Ref 15445

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-739334-006

17Nov11

Signed by: 

Pg 1/3

KAISER ALUMINUM FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFIED TEST REPORT

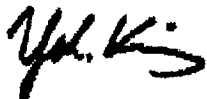
<http://Certs.KaiserAluminum.com>

CUSTOMER PO NUMBER: PEC-232331-8		CUSTOMER PART NUMBER: 015238-9		PRODUCT DESCRIPTION: KAISERSELECT PRECISION ROD .750 +/- .004	
KAISER ORDER NUMBER: 601377	LINE ITEM: 006	SHIP DATE: 09/09/2011	KAISER LOT NUMBER: P0.750030	ALLOY: 6061	TEMPER: T6511B
WEIGHT SHIPPED: 1515.000 LB	QUANTITY: 243.000 PCS	B/L NUMBER: 601380	DIA/DIAF/THKNS: 750.000	WIDTH: 12.000	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Alex Yeh, Quality & Technology Manager



Plant Serial: 00006697

Kaiser Order Number: 601377

Line Item: 006

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511

750" DIA X 144.0000"

PART NO.

PO/Ref 15445

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC 739334-006

17Nov11

Pg 2/3

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFIED TEST REPORT

<http://Certs.KaiserAluminum.com>

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
XTR000901	0001	0001	47.0	42.8	19.2	RE 95	N/A	N/A
XTR000901	0001	0002	46.6	42.4	17.4	RE 94	N/A	N/A
XTR000901	0001	0003	45.6	40.3	20.1	RE 93	N/A	N/A
XTR000901	0001	0004	51.0	47.6	17.2	RE 98	N/A	N/A
XTR000901	0001	0005	48.0	43.1	18.2	RE 95	N/A	N/A
XTR000901	0001	0006	49.0	43.2	16.0	RE 98	N/A	N/A
XTR000901	0001	0007	48.1	44.0	18.1	RE 98	N/A	N/A
XTR000901	0001	0008	49.6	44.9	19.9	RE 98	N/A	N/A
XTR000901	0001	0009	49.6	46.1	20.6	RE 98	N/A	N/A
XTR000901	0001	0010	49.9	46.8	17.5	RE 98	N/A	N/A
XTR000901	0001	0011	46.7	42.0	17.6	RE 95	N/A	N/A
XTR000901	0001	0012	48.1	44.4	18.1	RE 92	N/A	N/A
XTR000901	0001	0013	47.6	42.2	18.2	RE 92	N/A	N/A
XTR000901	0001	0014	51.2	47.2	15.7	RE 94	N/A	N/A
XTR000901	0001	0015	46.1	41.5	20.5	RE 91	N/A	N/A
XTR000901	0001	0016	48.0	43.5	20.1	RE 93	N/A	N/A
XTR000901	0001	0017	48.5	43.1	17.0	RE 92	N/A	N/A
XTR000901	0001	0018	48.9	43.9	19.2	RE 92	N/A	N/A
XTR000901	0001	0019	47.0	41.7	17.9	RE 92	N/A	N/A
XTR000901	0001	0020	47.7	42.6	17.6	RE 92	N/A	N/A
XTR000901	0001	0021	48.1	43.3	17.7	RE 93	N/A	N/A
XTR000901	0001	0022	45.7	41.4	18.2	RE 91	N/A	N/A
XTR000901	0001	0023	50.4	46.1	18.0	RE 94	N/A	N/A
XTR000901	0001	0024	48.4	44.5	15.6	RE 92	N/A	N/A
XTR000901	0001	0025	47.2	41.7	18.9	RE 90	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
A31756	.73	.29	.26	.10	.93	.10	.02	.02	.00	.00	.00	.01	.01
A31751	.72	.28	.32	.10	.92	.09	.05	.02	.00	.01	.00	.00	.01

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Alex Yeh, Quality & Technology Manager



Plant Serial: 00006697

Kaiser Order Number: 601377

Line Item: 006

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6S11

750" DIA X 144.0000"

PART NO.

PO/Ref 15445

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-739334-006

17Nov11

Signed by:

Pg 3/3

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFIED TEST REPORT
<http://Certs.KaiserAluminum.com>

Applicable Requirements:

PER ASTM-B221-08, STENCILED ASME-SB221 1998 SECT II PER AMS-QQ-A-200/8 UNS#6061 MEETS
ALL SPECIFICATION REQUIREMENTS FOR 6061-T6S11/T6 ELEVATED MINIMUM MECHANICAL
PROPERTIES AS FOLLOWS: UTS = 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION = 10.0% MIN

Miscellaneous Notes

MANUFACTURED IN USA (COMMERCE, CA) MELTED IN USA

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Alex Yeh, Quality & Technology Manager



Plant Serial: 0C006697

Kaiser Order Number: 601377

Line Item: 006

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